

BCM

Bottle Content Monitoring





BCM

About (DIR)

DIR Technologies utilizes sophisticated infra-red detectors and thermal imaging technology combined with high throughput imaging & analysis software, to provide innovative solutions for the quality control and process monitoring of pharmaceutical manufacturing and packaging processes



Advantages of DIR's technology

- Nondestructive, noninterfering
- In-line, Real-Time, 100% testing
- Very small foot-print, adaptable to any existing production line
- Can be customized to a wide variety of packaging processes
- No slowdown of production

Contact us for additional Information

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Standard HDPE bottles



Liquid Fill level inspection



Desiccants count and inspection



Tablet content inspection

BCM Main Panel	vration Set ROI	t	DIR Technologies
Batch Number:	Test#27	History List Video Processed	Passage
Rottle Turner	A2 (60 CC)	7/3/2013 15:16 PM	Pass
bottle Type.	A2 (60 CC)	7/3/2013 15:16 PM	Page
Contents Type:	Liquid	7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	LevelNotInRange
	071	7/3/2013 15:17 PM	LevelNotInRange
	874	7/3/2013 15:18 PM	LevelNotInRange
		7/3/2013 15:18 PM	LevelNotInRange
	72%	7/3/2013 15:19 PM	LevelNotInRange
		7/3/2013 15:19 PM	LevelNotInRange
		7/3/2013 15:50 PM	LevelNotInRange
		7/3/2013 15:50 PM	Pass
		7/3/2013 15:52 PM	LevelNotInRange
		7/3/2013 15:54 PM	Pass
neposted:	4527	7/3/2013 15:57 PM	Pass
ispected.	1527	7/3/2013 15:57 PM	Pass
Rejected	10	7/3/2013 15:57 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
Sop	Mute	7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	OneObserbe
		7/3/2013 15:58 PM	OneObserbe

BCM System GUI

Characteristics

- The BCM system was specially designed for IN-LINE content monitoring of pharmaceutical bottles.
- The operation of the BCM is done through a touch screen that it very intuitive and straightforward.
- The system generates a report specifying the number of bottles rejected, the time and the reasons for the rejections.
- The BCM can be easily integrated into any existing line.
- The system can be optionally delivered with a high precision rejection system, that will remove only those bottles that are out of specification.
- All external parts of the system are made of Stainless Steel or Anodized Aluminum. The IR camera is sealed against dust and water splash (IP65 compliant).



BCM

The BCM (Bottle Content Monitoring) inspects the content of opaque plastic containers in-line, **Without Slowing Down The Production Rate**. 100% bottles tested, timely, **Accurately**, without interfering with the process or the product.

The BCM makes use of DIR's advanced Thermal Imaging system and propriety image process algorithms.

